

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELLS

Form C-122
Revised 9-1965

RECEIVED
MAY 2 - 1983

OIL CON. DIV.
DIST. 3

Type Test ☒ Initial ☐ Annual ☒ Special						Test Date 3-17-83		OIL CON. DIV. DIST. 3			
Company Amoco Production Company				Connection Northwest Pipeline Corporation							
Pool Blanco				Formation Mesaverde							
Completion Date 7-11-80		Total Depth 8550		Plug Back TD 6200		Elevation 6800 GL		Farm or Lease Name Rosa Unit			
Csg. Size 4.500	Wt. 11.6	d 4.000	Set At 8550	Perforations: From 5838 To 6148				Well No. 54			
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 6100	Perforations: From open To ended				Unit Sec. Twp. Hje. K 36 31 5			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single						Packer Set At 5710		County Rio Arriba			
Producing Thru Tubing		Reservoir Temp. °F θ		Mean Annual Temp. °F		Baro. Press. - P _a		State New Mexico			
L	H	G _q	% CO ₂	% N ₂	% H ₂ S	Prover		Meter Run		Taps	

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
SI	937 Days					1335				
1.	2.375	.750				38				3 hrs
2.										
3.										
4.										
5.										

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		50	1.000	.9258	1.006	576
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.	
1.					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.	
2.					Specific Gravity Separator Gas _____	XXXXXXX
3.					Specific Gravity Flowing Fluid _____	XXXXX
4.					Critical Pressure _____ P.S.I.A.	P.S.I.A.
5.					Critical Temperature _____ R	R

P _c 1347	P _c ² 1814409		
NO.	P _r	P _w	P _w ²
1		100	10000
2			
3			
4			
5			

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0055$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0042$

AOIF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 578$

Absolute Open Flow	578	Mcf/d @ 15.025	Angle of Slope @	Slope, n 75
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Remarks: Final

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	J. J. Barnett	J. J. Barnett	☑